

## ===== WPI =====

TI - Wire with improved toughness - has coating layer of ethylene[ ]-vinyl] acetate or ethylene[ ]-acrylic] ester copolymer, inorganic filler and crosslinking agent etc. on conductor

AB - J04206404 In a wire comprising a coating layer on a conductor or crosslinked conductor shield layer and the coating layer, the coating layer is formed of 5 to 100 pts. wt. of ethylene-vinyl acetate copolymer or ethylene-acrylic ester copolymer; 5 to 100 pts. wt. of inorganic filler having grain size below 1 micron; and 0.5 or more pts. wt. of crosslinking agent based on 100 pts. wt. of resin having the wt. ratio of tetrafluoroethylene-propylene copolymer/polyvinylidene fluoride of 90/10 to 10/90.

- USE/ADVANTAGE - Wire coated with an elastic body including fluorine, having superior toughness. Tetrafluoroethylene-propylene copolymer is used because of its high resistance to heat, oil, and chemicals, high insulating property, flexibility, etc. However, it has low toughness. To increase the toughness, polyvinylidene fluoride is blended. But, when they are extruded, bubbles or lumpiness occurs. In this method, coating layer having high toughness can be obtd. without occurrence of bubbles or lumpiness in extrusi

PN - JP4206404 A 920728 DW9236 H01B7/02 004pp

PR - JP900337894 901130

PA - (HITD ) HITACHI CABLE LTD

MC - A04-E09 A04-E10A A04-F06E A04-G07 A04-G08A A04-G09 A07-A02B A08-C01 A08-R01 A12-E02A G02-A05A L03-A01B3

- X12-D03D X12-E02B

DC - A85 G02 L03 X12

IC - C08L23/08 ;C08L27/12 ;C08L31/04 ;C09D131/04 ;H01B3/44 ;H01B7/02 ;H01B7/18

AN - 92-296862 [36]

## ===== PAJ =====

TI - FLUORINE-INCLUDING ELASTIC MATERIAL COATED CABLE

AB - PURPOSE:To obtain a strong coating, eliminate bubbling or generation of grains in an extrusion process, and achieve a good appearance by specifying ranges of tetrafluoroethylene-propylene copolymer/polyvinylidene, ethylene-vinyl acetate copolymer or ethylene-acrylic ester copolymer, inorganic filler and cross-link assisting agent.

- CONSTITUTION:For a cable having a coating layer, which is cross-linked, on a conductor or conductor shielding layer, the coating layer is formed of a resin composite material comprising ethylene-vinyl acetate or ethylene-acrylic ester copolymer by 5-100 pts.wt. inorganic filler of a grain size of 1mu or less by 5-100 pts.wt. and a cross-link assisting agent by more than 0.5 pts.wt. added to 100 pts.wt. a resin component including tetrafluoroethylene-propylene copolymer/ polyvinylidene fluoride by a weight ratio within range of 90/10-10/90. A fluorine- including elastic material coated cable having a good strength, having no bubbling or generation of grains in an extrusion process, and having a good appearance can thus be obtained.

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ABV - 016539

AP - JP900337894 901130

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PA - HITACHI CABLE LTD

IN - NAKABASHI MASANOBU; others: 01

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